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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/839,001	04/20/2001	Harald Apfelthaler	KWO-17702/01	2739
7	590 03/01/2004		EXAMI	NER
Gifford, Krass, Groh, Sprinkle,			HORTON, YVONNE MICHELE	
Anderson & Citkowski, P.C. Suite 400		ART UNIT	PAPER NUMBER	
280 N. Old Woodward Avenue Birmingham, MI 48009-5394			3635	
			DATE MAILED: 03/01/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Applicati n N .	Applicant(s)			
	09/839,001	APFELTHALER, HARALD			
Office Action Summary	Examiner	Art Unit			
	Yvonne M. Horton	3635			
The MAILING DATE f this communication app Period for Reply	ears on th c ver sheet with the c	rrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	86(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 24 No.	ovember 2003.				
2a) This action is <b>FINAL</b> . 2b) This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
<ul> <li>4) Claim(s) 2-11,15 and 20-27 is/are pending in the 4a) Of the above claim(s) is/are withdraw</li> <li>5) Claim(s) 26 and 27 is/are allowed.</li> <li>6) Claim(s) 20-22 is/are rejected.</li> <li>7) Claim(s) 2-11 and 15 is/are objected to.</li> <li>8) Claim(s) are subject to restriction and/or</li> </ul>	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the original transfer of the correction of the original transfer of the correction of the correction of the original transfer of the correction of the corre	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	have been received. have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No d in this National Stage			
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary ( Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:				

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#### **DETAILED ACTION**

# Request for Continued Examination

The request filed on 11/24/03 for a Continued Examination Application (RCE) under 37 CFR 1.116 based on parent Application No. 09/839,001 is acceptable and an RCE has been established. An action on the RCE follows.

### Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim 20 is rejected under 35 U.S.C. 102(b) as being anticipated by US Patent #4,628,582 LEOPOLD. LEOPOLD discloses a muntin (20a,b) having an end (E), an outer surface (colored red), and an inner wall (colored blue) defining a hollow space (colored yellow) having a planar wall (also colored blue) in combination with a terminal plug (150) including a body (152,154), a flange (F and colored purple), a plurality of spring elements (164,184), and a longitudinal slot (156a and colored orange) wherein, when the body (152,254) is inserted into the hollow space (colored yellow) of the muntin (20a,b) the longitudinal slot (156a and colored orange) spreads apart (see figure 10) and the spring elements (164,184) engage the inner wall planar surface (colored blue). SEE THE MARKED ATACHMENT

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### Claim R jections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 21 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent #4,628,582 to LEOPOLD. LEOPOLD discloses a muntin (20a,b) having an end (E), an outer surface (colored red), and an inner wall (colored blue) defining a hollow space (colored yellow) having a planar wall (also colored blue) in combination with a terminal plug (150) including a body (152,154), a flange (F and colored purple), a plurality of spring elements (164,184), and a longitudinal slot (156a and colored orange) wherein, when the body (152,254) is inserted into the hollow space (colored vellow) of the muntin (20a,b) the longitudinal slot (156a and colored orange) spreads apart (see figure 10), the spring elements (164,184) engage the inner wall planar surface (colored blue), and the flange engages the outer surface (colored red) of the muntin (20a,b), see figure 11. LEOPOLD discloses the basic claimed muntin and terminal plug combination except for explicitly detailing the width dimensions of the plug body with respect to the hollow space. Although LEOPOLD is silent with regards to the details of the width dimensions of the plug body, he does however detail in column 3, lines 50-53, and column 4, lines 57-59, that the terminal plug member is resiliently deflectable and moves into latching engagement in order to secure with the frame segments. Also, the figures clearly show a very close and snug fit between the terminal plug (150) and the muntin members (20a,b). Hence, it would have been obvious to one having ordinary skill in the art at the time the invention was made that the width of the terminal plug

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body of LEOPOLD is greater than the width of the hollow space in order to facilitate deflection of the spring elements (164,184) and the close fit of the terminal plug (150) within the hollow space (colored yellow) of the muntins (20a,b) as shown in the figures. Further, due to the fact that the terminal plug of LEOPOLD also functions to prevent loss of a desiccant material disposed within the muntin members, it is evident that a snug "friction" fit is formed between the terminal plug and the hollow space defined in the muntin. In reference to claim 22, the plug body (152,154) comprises opposing walls (colored orange) that define the longitudinal slot. SEE THE MARKED ATTACHMENT.

# Allowable Subject Matter

Claims 2-11 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 26 and 27 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claims 2-11, the prior art of record fails to teach the use of a terminal plug having a longitudinal slot in combination with a muntin member wherein the longitudinal slot of the of the terminal plug receives a screw that passes through the flange.

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In reference to claim 15, the prior art of record fails to teach the use of a terminal plug having a flange and in combination with a muntin member wherein the flange of the terminal plug further includes a recess that communicates with the longitudinal slot of the terminal plug.

Regarding claim 26 and 27, the prior art of record fails to teach the use of a terminal plug having a longitudinal slot and a flange in combination with a muntin member wherein the flange of the terminal plug further includes a recess that communicates with the longitudinal slot of the terminal plug and the longitudinal slot of the of the terminal plug receives a screw that passes through the flange.

# Response to Arguments

Applicant's arguments with respect to claims 20-22 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yvonne M. Horton whose telephone number is (703) 308-1909. The examiner can normally be reached on 6:30 am - 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl D. Friedman can be reached on (703) 308-0839. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

YMH

Primary Examiner February 21, 2004

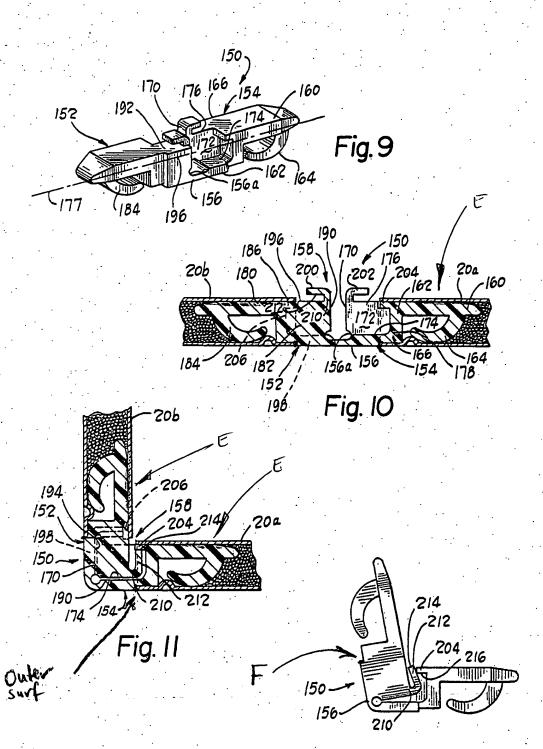


Fig. 12